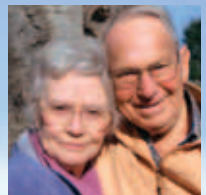


South Carolina Department of Health and Environmental Control

# 2011



# Annual Report

## Public Health Region 2



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*The federal fiscal year (FFY) runs from October 1 - September 30.  
South Carolina's fiscal year (FY) runs from July 1 - June 30.*



## A Message from the Public Health Director

The South Carolina Department of Health and Environmental Control Public Health Region 2 is pleased to provide you with our fiscal year 2011 Annual Report. The report highlights activities and services provided by our health departments and health centers in Cherokee, Greenville, Pickens, Spartanburg and Union Counties.

The Region 2 Public Health Team takes very seriously our role in promoting and protecting your health. The information in this report demonstrates our commitment to addressing the needs of our customers and the community. Despite budget reductions throughout the past several years, Region 2 has remained focused on quality of care in providing core public health services and we look forward to new opportunities in the upcoming year. We will make sure our resources are used to prevent the spread of disease, improve our preparedness to respond to emergencies and improve the quality of life in Region 2.

The information in this annual report is a snapshot of our many services. Our Region continues to seek opportunities to work collaboratively with community partners to improve our efficiency and effectiveness in tackling local public health issues. We welcome your comments and suggestions to help us achieve our vision of **Healthy People Living in Healthy Communities**.

Sincerely,



Matthew Petrofes, MBA  
Health Director  
Public Health Region 2

### Regional Leadership Team

**Matthew Petrofes**, MBA—Health Director 282-4138

**Stephanie Bobak**, RD—Director of Nutrition and WIC Services 282-4245

**Mike Longshore**—Environmental Health (803) 896-0655

**Melissa Overman**, DO—Medical Director/ Public Health Preparedness and Disease Control 282-4113

**Page Rogers**, MPH, CHES—Director of Health Education 282-4430

**Barbara Thomas**, RD, LD—Director of Administration Services 282-4143

**Doris Vorlick**, RN, MPH—Director of Nursing 282-4142

## County Public Health Departments and Service Centers - Region 2

### Main Sites

#### **Cherokee County Public Health Office and Home Health Services**

400 S. Logan St., PO Box 338  
Gaffney, SC 29342  
Health Department: (864) 487-2705  
Home Health Services: (864) 487-2702

#### **Greenville County Public Health Office and Home Health Services**

200 University Ridge, P.O. Box 2507  
Greenville, SC 29602  
Health Department: (864) 282-4100  
Home Health Services: (864) 282-4400

#### **Pickens County Public Health Office and Home Health Services**

200 McDaniel Ave.  
Pickens, SC 29671  
Health Department: (864) 898-5965  
Home Health Services: (864) 898-5839

#### **Spartanburg County Public Health Office and Home Health Services**

151 E. Wood St., P.O. Box 4217  
Spartanburg, SC 29305  
Health Department: (864) 596-2227  
Home Health Services: (864) 596-3347

#### **Union County Public Health Office and Home Health Services**

115 Thomas St., P.O. Box 966  
Union, SC 29379  
Health Department: (864) 429-1690  
Home Health Services: (864) 429-1692

### Auxiliary Sites

#### **Center for Community Services**

*(WIC services only)*  
1102 Howard Dr.  
Simpsonville, SC 29681  
Phone: (864) 688-2221 or (864) 688-2213

#### **Chesnee Public Health Clinic**

*(WIC services only)*  
210 Hampton St.  
Chesnee, SC 29323  
Phone: (864) 461-2808 Fax (864) 461-2808

#### **Foothills Family Resource Center**

*(WIC services only)*  
3 South Main St.  
Slater, SC 29683  
Phone: (864) 836-6364

#### **Greenville Memorial Hospital**

*(GHS patients only - WIC services only)*  
1120 Grove Rd.  
Greenville, SC 29605  
Phone (864) 455-8835

#### **Greer Human Resource Center (J. Verne Smith Center)**

*(WIC, Immunizations and Family Planning services)*  
202 Victoria St.  
Greer, SC 29651  
Phone: (864) 848-5360 Fax 864-848-5369

#### **Inman Public Health Clinic**

*(WIC services only)*  
S. Howard St.  
Inman, SC 29349  
Phone: (864) 472-3393 Fax 864 472-3393

#### **Tobias Health Center**

*(For Teens Only- STD and Family Planning Services Only)*  
154 George Washington Carver  
Spartanburg, SC 29305  
864-598-6092

#### **USC Upstate Clinic**

*(Upstate Students Only – STD and Family Planning Only)*  
800 University Way  
Spartanburg, SC 29602  
864-503-5186

#### **Woodruff Public Health Clinic**

*(WIC services only)*  
1 Gregory St.  
Woodruff, SC 29388  
Phone: (864) 476-3817 Fax 864 476-3817

## Public Health Practices

The public health functions of assessment, policy development and assurance are performed by public health professionals in their interventions with individuals, families and communities. Recognizing the complex forces affecting health delivery systems, public health professionals work as members of interdisciplinary teams and in collaboration with other public entities and the private sector to provide essential public health services which are:

- Monitoring health status to identify community health problems
- Diagnosing and investigating health problems and health hazards in the community
- Informing, educating and empowering people about health issues
- Mobilizing community partnerships to identify and solve health problems
- Developing policies and plans that support individual and community health efforts
- Enforcing laws and regulations that protect health and ensure safety
- Linking people to needed personal health services and assure the provision of health care when otherwise unavailable
- Assuring a competent public health and personal health care workforce
- Evaluating effectiveness, accessibility and quality of personal and population-based health services
- Researching for new insights and innovative solutions to health problems

## Mission Statement

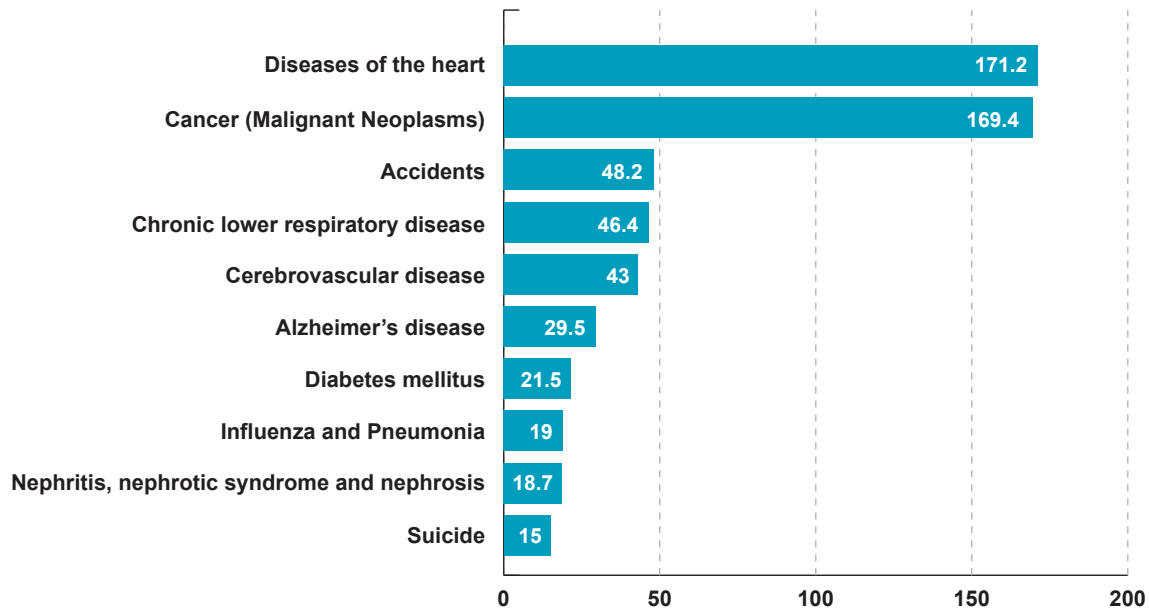
“We promote and protect the health of the public and the environment, and help our communities to prosper.”

S.C. DHEC Public Health Region 2 provides a broad range of health services for preventing disease, improving wellness and quality of life, and assisting the people of our district in building healthy communities. Public health programs emphasize primary prevention and related services to all ages and aspects of the community. Programs vary from traditional immunizations and maternal and child health, to nutrition, dental health for children, health education, counseling and home health services. We provide treatment for persons with various diseases and health problems, including communicable, acute and chronic diseases. We partner closely with individuals and institutions to assure continuity of care, and also assist families and individuals in establishing medical homes in the private-sector. Environmental Health Program activities prevent disease by enforcing standards for food safety, control and prevention of rabies in animals and people, sanitation of public places, and residential sewage and wastewater systems. The health department also provides laboratory services, conducts epidemiological investigations, and provides public health expertise through community collaboration.



## Selected Demographics

### Ten Leading Causes of Death in Region 2 Year 2009



Age adjusted to 2000 standard population. Data Source: SCDHEC SCAN; Generated by Chronic Disease Epidemiology and Evaluation August 2011  
For methodology of ranking, see Technical Document <http://www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf>

### Region 2 Population

939,059 (2010 estimates)

	Cherokee	Greenville	Pickens	Spartanburg	Union
<b>Population</b>	55,342	451,225	119,224	284,307	28,961
<b>Caucasian</b>	75.0%	73.8%	88.7%	72.3%	66.6%
<b>Percent African-American</b>	20.4%	18.1%	6.6%	20.6%	31.3%
<b>Percent Hispanic or Latino</b>	3.7%	8.1%	3.1%	5.9%	1.0%
<b>Median Household Income (2009)</b>	\$35,807	\$45,917	\$40,357	\$40,278	\$32,361

(Source: US Census Bureau QuickFacts 2010)

## Administrative Highlights

### Resource Management

Managing the resources of a public health region requires continuous analysis and integration of administrative and programmatic matters. While resource management efforts are becoming increasingly more challenging, applying conservative management principles to assure the most efficient and effective use of available resources has helped Public Health Region 2 address repeated budget reductions. Functional areas of responsibility include budgets, finance, personnel, information systems, training, vital records, procurement and maintenance. Administrative services and the associated business management functions are essential to all staff and programs. These services support all areas and enable staff to provide a comprehensive array of public health services.

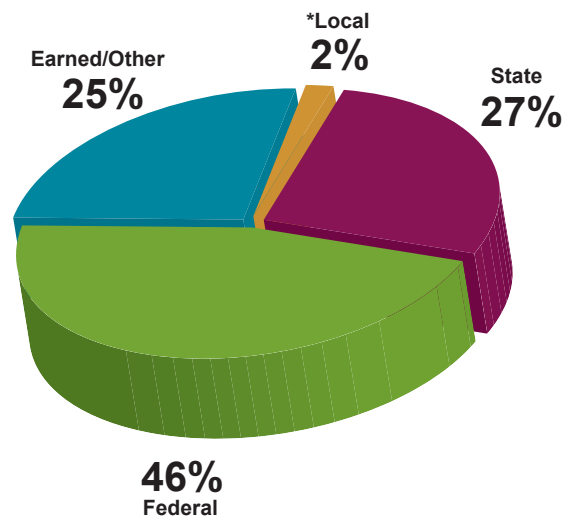


### Personnel Resources *(Full-time Employees)*

Discipline	Number of Staff
Nursing	<b>97</b>
Administrative Services	<b>38</b>
Administrative Support Services	<b>91</b>
Environmental Health	<b>42</b>
Health Education	<b>4</b>
Ancillary Medical	<b>11</b>
Nutrition	<b>35</b>
Public Health Preparedness	<b>9</b>
Social Work	<b>11</b>
Regional Management	<b>7</b>
<b>Total Staff</b>	<b>345</b>
<b>Total Vacancies</b>	<b>17</b>

### Region 2 Budget by Source FY11

Source	Amount	Percent
Federal	\$10,570,275	46%
State	\$6,326,736	27%
Earned/Other	\$5,96,579	25%
*Local	\$502,455	2%
<b>TOTAL</b>	<b>\$23,326,045</b>	<b>100%</b>



\* In-Kind: Greenville County provided \$417,640 during FY10 in addition to direct payment of more than \$109,000



## Service Areas

### Administrative Support Services

Region 2 Administrative Support staff provides customer service and administrative assistance to both internal and external customers. All health and environmental programs require administrative support staff to coordinate and manage the reception and intake of clients for public health services. Electronic data entry and client record management are key components to assure compliance with program policies and to assure timely access for provision of services. Administrative support staff collect and receipt fees or process appropriate billing for public health services.

Computer and communication skills are vital to support public health customers and staff. The skills of administrative support staff expedite the coordination, planning, and implementation of management and partnership activities in Region 2. They also use various modalities in the preparation and distribution of correspondence and the maintenance of files.

### Environmental Health

Environmental Health is charged with protecting the public in certain environmental health situations. DHEC is involved in three distinct program areas throughout the region. These include: Wastewater, General Sanitation, and Food Protection.

The Onsite Wastewater Program is responsible for evaluating proposed property sites and issuing septic tank permits where the soils are found to be suitable for the natural treatment of wastewater. DHEC Region 2 works with homebuilders to help ensure that the environment is protected against preventable and improper discharges of wastewater. Complaints and/or concerns regarding the improper disposal of wastewater are investigated and when necessary, enforcement action is taken.

The General Sanitation Program covers a number of environmental situations. Environmentalists conduct inspections in two DSS programs; day care facilities and foster homes. These inspections address sanitation and safety issues. General Sanitation staff also respond to complaints pertaining to vectors, especially mosquitoes, and to the related environmental conditions. Regional efforts include providing information and advice to citizens on steps they can take to mitigate or control the situation. Rabies continues to be a major public health concern. DHEC Region 2 investigates all aspects of animal bites that are inflicted on people, and help to ensure a safe outcome for all involved.

The third program area is the most visible to the majority of consumers. In the Food Program, DHEC Region 2 is responsible for inspecting and permitting more than 3,400 retail food service establishments throughout the region. The unannounced routine inspection is the heart of the program. When violations are found, follow up inspections are scheduled to insure compliance with regulations. Complaints filed by the public are also of concern in this program area as they may uncover unhealthy or unsafe situations we may not see on a routine inspection. Lastly, a major concern in a good food protection program is the prevention of food borne illnesses. Understanding this, working with the Regional Epidemiological team, food program staff thoroughly investigate every complaint and illness report. This information is used to develop more effective techniques in our inspection procedures and in educating food service workers.



## Public Health Education

Public health education is the process of organizing and facilitating learning opportunities to encourage behaviors that promote personal, family, and community health. It is an important component in assuring the public's health, since lifestyle and behavior changes are key factors for addressing many of the health problems facing our citizens. Utilizing sound behavioral science, health educators are able to help develop, implement and evaluate interventions for preventing diseases.

Through organized and preventative approaches, such as patient education and broad-based community initiatives, Health educators are poised to help reduce the impact of chronic diseases, injuries, infectious diseases, sexually transmitted diseases, and maternal/child health problems.

In Public Health Region 2, Chronic Disease Health Education staff serve in roles that complement S.C. DHEC's statewide efforts. Regional health educators are also skilled in creatively bringing together organizations, agencies, people and themes to implement strategies for change to improve health. Partnerships with both traditional and non-traditional partners are necessary to create and sustain more effective, cross-cutting strategies to achieve a healthy community. Health educators use their skills to initiate and coordinate community health assessments, goal setting, and strategic planning.

## Public Health Nursing

Public health nursing provides direct care for individuals, families, and groups in clinics, homes, schools, industries and other community settings. Public health nursing places emphasis on the promotion of health, prevention of disease and spread of disease, limitation of disability, and care of the ill at home. Public health nursing practice is population focused. This is the fundamental factor that distinguishes public health nursing from other nursing specialties. Various levels of knowledge, skills and abilities are necessary to provide needed services to the community. Registered nurses may be master's prepared, advanced practice registered nurses, or bachelor's prepared; a registered nurse with an associate degree or a diploma may also provide services in select areas.



Public health nurses are skilled at working with at-risk/high risk, culturally diverse and vulnerable populations of all ages who need help in accessing appropriate levels of healthcare. With a focus on prevention, public health nurses are effective at enhancing the health status of people in the community who are at high risk of disability, or premature death. Nursing provides services in areas: Adult Health (Family Planning/STD/Pregnancy testing), Immunizations, Tuberculosis, Postpartum Newborn Home Visits, Metabolic Newborn Screening and other pediatric tracking, Children Rehabilitative Services and Home Health.

Public health nurses offer client teaching, counseling and support, clinical services, interventions to treat and prevent communicable diseases, such as tuberculosis and childhood/vaccine preventable diseases. Referrals are often made for other services within the health department as well as other agencies.

The community benefits from public health nurses as a valuable resource and a partner with schools and institutes of higher learning as well as other medical providers. Public health nurses also serve on advisory boards, community committees, other agency boards and professional organizations.

## Public Health Preparedness

There are diverse and complex functions that must be coordinated in order to mount an effective response to an act of bioterrorism, a serious epidemic or other public health emergency. Emergency management and response functions are integrated into each public health program and into each employee's job description. Public Health Preparedness and Disease Surveillance address the critical response capacity of our community by strengthening the public health infrastructure for epidemic disease control and emergency response. Extensive and continuous assessment of the our public health system is underway along with the development of local and statewide plans for a collaborative response to incidents of bioterrorism, infectious disease outbreaks, and other threats to public health .



The following focus areas are directed toward utilization of scientific methods and technology to ensure the existence of systems to provide ongoing disease surveillance and epidemiology training for public health, clinical, and other healthcare professions

- Preparedness planning and readiness assessment
- Surveillance and epidemiology capacity
- Laboratory capacity
- Network communications and information technology
- Risk communication and dissemination of health information
- Education and training

## Public Health Nutrition and WIC Services

Public health nutrition provides professional medical nutrition services, technical assistance, and leadership as an integrated part of total health care in an interdisciplinary team setting. Scientific evidence documents the important inter-relationship of essential nutrients, food composition, human growth and development, physical and mental health, reproduction and active living. Research also shows the relationship between dietary imbalances, excesses and inadequacies with the most chronic and crippling diseases as well as the leading causes of death in our country today.

In Public Health Region 2, nutrition personnel collaborate with policy makers, key public officials, the medical community, related paraprofessionals and community leaders. They work together to establish food, nutrition, and related policy which foster good health and the prevention of disease. They also provide nutrition services to clients from the general public including all ages, and both males and females; women and children are the primary recipients.

The Women, Infant and Children (WIC) program is a Special Supplemental Food Program federally funded through the United States Department of Agriculture (USDA). WIC is designed to improve the health of families through nutritious foods and nutrition education. The program targets low and moderate income pregnant, breastfeeding and postpartum women, infants, and children up to five years of age who are at nutritional risk. The WIC program is recognized as the nation's premier public health nutrition program. It has gained this reputation and garnered strong, continued bipartisan support because of its cost-effective, scientifically documented health successes.

Components of the WIC program services include health screening, referrals for health care, nutrition assessments, individual or group nutrition counseling, breastfeeding education and support, general health education, and the provision of vouchers for supplemental nutritious foods.

## Public Health Social Work

Public Health Region 2 social work staff provides assessment and treatment services related to social, emotional, behavioral and environmental concerns that impact the health status of individuals, families, and groups. Staffs assist clients in building strengths, optimizing choices, and promoting self-determination.

Social work staff provide services in the program areas of Children's Rehabilitative Services, STD/HIV, Home Health, Best Chance Network, First Sound, and Healthy Aging.

Additionally, Social work staff provide assessment and referral for clients receiving services from any health department program as well as from individuals, health care providers, and community organizations. These referrals are prioritized according to core public health functions and severity of psychosocial risk factors.

Social work staff members serve on various state and community boards such as Spartanburg County Elder Abuse Committee, Spartanburg County HIV/AIDS Committee, SCPHA Governing Council, and SC-National Association of Social Workers Board. Social workers also support the region's Division of Public Health Preparedness and are critical to the function of the Behavioral Health Disaster Response Teams in responding to all hazards.





## Clinic and Community Based Services

### Children's Rehabilitative Services

Children's Rehabilitative Services (CRS) is a health care program that offers medical evaluation and treatment to children with special health care needs (CSHCN), ages 0-18. Medical services are also provided for sickle cell patients who are transitioned into an adult program. The CRS Program is funded by both federal and state governments. Eligibility is determined by medical diagnosis and family size and gross income. Health insurance and Medicaid are used in addition to program funds to cover medical costs.

CRS strives to provide a holistic approach to the care of the patient by offering nursing, nutrition and social work, as needed. Multi-provider services are required to meet complex needs of the CRS patients. This necessitates much coordination and collaboration to ensure that the children receive the best care available. Some of the services offered are: durable medical equipment, orthotic braces, hearing aids; medicines and medical supplies; speech, physical, occupational therapy; Hemophilia supplies; summer camp for children ages 7-20.

### CRS Caseload (July 2010 - June 2011)

<b>Region Total</b>	<b>675</b>
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### Disease Control and Epidemiology (Epi)

The Disease Control and Epidemiology (Epi) Program for Public Health Region 2 is dedicated to the prevention and containment of communicable diseases. A scientific approach is utilized in the response to a reported and verified infectious disease. A network of communication has been established with local hospital infectious disease staff and/or hospital laboratory staff to facilitate disease reporting. Response efforts are supported by the Regional Medical Director and consultants in the Division of Acute Disease Epidemiology. Coordination with the Region 2 Public Information Officer ensures appropriate messages are delivered to the community during investigations and outbreaks.

Epi staff activities are augmented by the Region 2 Outbreak Response Team (ORT); members are carefully chosen to ensure that expertise is available in all aspects of a timely and effective response. Representatives on this team have experience in pharmacy, nursing, laboratory procedures, regulations regarding the handling/preparation of food, administration, management, diseases, and immunizations. They also have a working knowledge and relationship with local school districts, day care operations, and nursing homes that may be involved in an outbreak.

### Disease Control and Epidemiology Cases (July 10-June 11)

	<b>Cherokee</b>	<b>Greenville</b>	<b>Pickens</b>	<b>Spartanburg</b>	<b>Union</b>	<b>Total</b>
Haemophilus influenza, invasive	1	7	1	11	3	23
Hepatitis A, acute	1	23	2	0	1	27
Hepatitis B viral infection, chronic	5	66	10	43	0	124
Hepatitis B, acute	1	15	7	6	1	30
Neisseria meningitidis, invasive	0	3	0	0	0	3
Pertussis	1	46	4	18	0	69
<b>Total</b>	<b>9</b>	<b>160</b>	<b>24</b>	<b>78</b>	<b>5</b>	<b>276</b>

## Environmental Health

South Carolina law requires these inspection and permitting activities. Restaurant and septic tank inspection fees are collected and used to help offset the cost of running these programs.

### Food Protection (July 10-June 11)

Food Service Facilities.....	3,427
Routine Food Inspections.....	5,371
Follow-up Food Inspections .....	3,191
Food Related Complaints.....	439
Food Borne Outbreak Investigation .....	1

### Onsite Wastewater (July 10-June 11)

Wastewater Applications .....	1,250
Wastewater Final Inspections .....	1,402

### General Sanitation (June 10- June 11)

Animal Bite Investigations .....	2,278
Animals Tested for Rabies .....	298
Animals positive for Rabies .....	16

## Family Planning

The mission of the Title X Family Planning Program is to provide individuals the information and means to exercise personal choice in determining the number and spacing of their children. The South Carolina DHEC Family Planning Program provides a broad range of acceptable and effective, medically approved family planning methods including instruction in abstinence, hormonal contraceptives, intrauterine devices, barrier and natural family planning methods. Title X Family Planning services are offered in eight clinics across the five-county area of Region 2. Any woman of childbearing age and capability is eligible to receive these services. Clients are charged according to a sliding fee scale based on their income and family size. The scale ranges from 0% to 100% of the actual charges. Medicaid is billed for eligible recipients. Medicaid Family Planning covers the charges for the annual exam, lab testing, and method for those women who are eligible. However, services are provided regardless of ability to pay. Family Planning staff provides education and counseling, health history and physical assessment, laboratory testing, and administration or dispensing of legally prescribed drugs and other methods of birth control. Other services include HIV risk assessment, HIV testing, follow-up and referral of abnormal findings as required by program policy or federal guidelines, psychosocial assessment, nutritional assessment, WIC referral (if eligible), sterilization counseling and referral, and referral for infertility services.

### Family Planning Visits (July 2010 - June 2011)

Cherokee	2,131
Greenville	7,464
Greer	1,245
Pickens	3,342
Spartanburg	6,734
Tobias	539
Union	1,202
USC-U	841
<b>Total</b>	<b>23,498</b>



## Home Health Services

The Home Health Program provides professional and supportive service to patients in their place of residence. The goal of the Home Health Program is to empower the patient and caregivers with the knowledge and resources to provide family centered self care. Services are provided through home visits by registered nurses, physical therapists, occupational therapist, speech therapist, medical social workers, nutritionist, and home health aides on an intermittent basis under directions of a physician and to homebound patients. Special services available are enterostomal therapy, intravenous therapy, diabetic and wound teaching.

### Home Health (July 2010 - June 2011)

Total Region 2 visits..... 10,310  
Unduplicated patients.....320  
Total visits by the agency..... 123,030

## Immunization

Immunizations are offered to both children and adults. The Health Department also offers annual flu vaccines.

### Immunization Services (July 10 – June 11)

Seasonal Flu doses administered	12,026
<b>Total vaccine doses (includes flu doses)</b>	<b>66,515</b>

## Postpartum Newborn Home Visit

Postpartum Newborn Home Visit is a service for eligible new moms and babies. To help ensure a healthy start for new moms and their babies, a nurse will make a home visit. Visits include the following services:

- A physical exam for the baby
- Breast care
- Nutrition information
- Education about signs and symptoms of illness
- Safety
- Resource information
- Immunizations
- Infant sleep patterns/sleep safety/SIDS

### Medicaid PPNBHV's (July 2010 - June 2011)

<b>Total Visits</b>	<b>3,201</b>
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## STD (Sexually Transmitted Disease) Control and Prevention

The STD Control and Prevention program serves to provide assessment, treatment, and counseling to the five county region. The goals of the program are to increase the number of persons who know their HIV status, to decrease risk-taking behaviors through education and counseling and to reduce the burden of sexually transmitted diseases in the Region by finding and treating those persons exposed to an infected individual.



### HIV Tests and STD Visits (July 2010 - June 2011)

	HIV TESTS	STD VISITS
Cherokee	857	1,354
Greenville	1,818	5,853
Pickens	344	1,045
Spartanburg	3,478	6,835
Union	340	491
<b>Total</b>	<b>6,837</b>	<b>15,578</b>

Number of Clients receiving services in Region 2	
Children	9,617
Adolescents	3,835
Adults	2,962
<b>Foreign Travel (all ages)</b> (As of June 2011, The Health Department no longer administers Foreign Travel vaccines.)	<b>796</b>

### Disease Intervention Specialists

Disease Intervention Specialists (DIS) implement disease intervention activities to prevent or stop the spread of sexually transmitted diseases (STDs) and HIV in the community. The DIS receives and reviews cases and positive laboratory reports from the public and private sectors to identify individuals in need of medical care or other follow-up. The DIS refers infected individuals for examination and treatment. Through investigative activities, DIS identifies and locates infected individuals, including partners that might benefit from examination and/or treatment as a result of their exposure or risk factors. The DIS component conducts individual counseling, educational presentations and community outreach activities.

### DIS Interviews and Field Investigations (July 2010 - June 2011)

Field Investigations	1,399
Early Syphilis Cases Interviewed	47
HIV Cases Interviewed	131
Late Syphilis Cases Interviewed	20
Total Interviews- Spartanburg	80
Total Interviews- Greenville	118
<b>Total Interviews- Region 2</b>	<b>198</b>



## Tuberculosis Control

The DHEC Division of Tuberculosis (TB) Control has a legal mandate to protect the citizens of South Carolina from the communicable disease, tuberculosis. This is accomplished through case finding, treatment of active disease, contact investigations, testing and screening, preventive treatment of latent infection, directly observed therapy, and maintenance of a central case register. Other associated services include social work, access to alcohol and drug treatment, professional education and consultation to the medical community and the public. In rare cases, use of court ordered supervised treatment, and institutional quarantine may be necessary to protect the public.



Tuberculosis services are provided primarily by RN visits into the community. Referrals are received from doctor's offices, inpatient hospitals, community health centers, nursing homes/residential facilities, or minor care health facilities. The RN must visit the client in the community in many instances. Care is taken especially to provide services to infectious persons outside of the public health department. Utilization of a specially trained nursing assistant, called a UAP (Unlicensed Assistive Personnel) is also a means of providing care to clients. Tuberculosis active disease patients receive treatment for 6 months to 2 years. Latent tuberculosis patients receive treatment for 6 - 9 months.

The goals of DHEC's TB Control Program are to:

- Find new cases of active tuberculosis, provide recommended treatment and assure completion of therapy.
- Identify contacts of cases and provide evaluations to these individuals.
- Find those in certain risk groups who have latent infection and provide preventive treatment.
- DHEC Tuberculosis Control Services available in each county health department include skin testing for certain risk groups, evaluation, and medical treatment for people who have tuberculosis and for those who have been exposed to the disease.

### Tuberculosis Control (July 2010 - June 2011)

	TB cases or suspects evaluated	# contacts investigated	# contacts on treatment for LTBI	Non-contacts evaluated	Non contacts on Treatment for LTBI
Cherokee	5	80	1	3	1
Greenville	13	183	44	689	96
Pickens	3	28	2	43	8
Spartanburg	9	57	4	230	60
Union	0	0	0	2	2

## Vital Records

South Carolina Law and Regulation governs the vital records system of registration, certification, and amendment of birth, death, fetal death, marriage, divorce, and induced terminations of pregnancy. Vital records are confidential and access is restricted to those entitled under South Carolina Law and Regulation. All births and deaths occurring within a county are officially registered at the county health department. Birth records are not public information and death records become public after 50 years. County health departments have death certificates for deaths from 2005 to present. Death certificate requests for deaths prior to 2005 can be requested through the State Vital Record office in Columbia. All records are also available at the state office located in Columbia.

### Vital Records- Birth/Death Certificates Issued (July 2010 - June 2011)

Cherokee	5,218
Greenville	43,603
Pickens	5,973
Spartanburg	32,753
Union	3,075
<b>Total</b>	<b>90,622</b>

## Women, Infants, and Children (WIC)

The Women, Infant and Children (WIC) program is a Special Supplemental Food Program federally funded through the United States Department of Agriculture (USDA). WIC is designed to improve the health of families through nutritious foods and nutrition education. The program targets low and moderate income pregnant, breastfeeding and postpartum women, infants, and children up to five years of age who are at nutritional risk. The WIC program is recognized as the nation's premier public health nutrition program. It has gained this reputation and garnered strong, continued bipartisan support because of its cost-effective, scientifically documented health successes.



Components of the WIC program services include health screening, referrals for health care, nutrition assessments, individual or group nutrition counseling, breastfeeding education and support, general health education and the provision of vouchers for supplemental nutritious foods. During FFY11, the average monthly WIC program caseload increased to 25,134. Region 2 has the largest WIC caseload in the state. The caseload represents the number of monthly vouchers WIC participants use to purchase supplemental nutritious food at local grocery stores. WIC contributed an estimated \$1,629,310 from vouchers to local economies in FFY 11.

### WIC Average Monthly Caseload (FFY 2011 Oct-Sept)

Cherokee	2,083
Greenville	11,772
Pickens	2,432
Spartanburg	8,005
Union	842
<b>Total</b>	<b>25,134</b>

## Ancillary Services

### Laboratory Services

S.C. DHEC Public Health Region 2 Laboratories provide clinical support to many local DHEC programs and services, including Family Planning, Sexually Transmitted Diseases, Epidemiology, Disease Investigation Specialists, Nutrition, and Environmental Health.

A national certifying organization operates under the Clinical Laboratory Improvement Amendment (CLIA) to evaluate laboratories every two years. In Fiscal Year 2009, the Laboratory at the Spartanburg County Health Department successfully completed this rigorous inspection to retain CLIA certification.

Region 2 Laboratories are certified to do moderately complex laboratory functions on site. They also collect other specimens which are sent to DHEC's Bureau of Laboratories (BOL) or other specialized facilities that can conduct more complex analysis and testing.

### Laboratory Services (July 2010 - June 2011)

	<b>Cherokee</b>	<b>Greenville</b>	<b>Greer</b>	<b>Pickens</b>	<b>Spartanburg</b>	<b>Total</b>
<b>In-house Tests</b>	970	3,134	508	1,010	2,678	3800
<b>Send-out Tests (BOL)</b>	5,034	13,920	1,003	4,509	19,751	24,466
<b>Total Tests</b>	<b>6,054</b>	<b>17,054</b>	<b>1,511</b>	<b>5,519</b>	<b>22,429</b>	<b>28,266</b>

### Pharmacy Services

S.C. DHEC Public Health Region 2 maintains a central pharmacy at the Greenville County Health Department and supports the branch pharmaceutical supplies and operations at each of the other county health departments. One full time pharmacist provides pharmacy prescriptions, vaccines, and other medicines and supplies needed by the various programs and services (e.g. Family Planning, STD, Immunization, Tuberculosis, Rabies) in the five county region.

### Prescriptions Filled (July 2010 - June 2011)

<b>Region Total</b>	<b>3,280</b>
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## Highlights

### Central Appointment Center

Region 2 successfully implemented a regional Central Appointing Center and scheduling system effective January 18, 2011. The purpose of this centralized appointment system was to improve customer service, maintain an efficient and consistent clinic appointment system, and assure maximum utilization of resources.

Clinic schedules and appointment processes were evaluated across the region which includes five main county health departments and ten outlying clinic sites. This was a tremendous undertaking, as evidenced by the number of calls successfully processed during the first full month of implementation : 15,000 phone calls and over 600 on-line appointments. This special project demonstrates Region 2's unwavering commitment to customer service.

### Mission 2010

The South Carolina Hospital Association and a host of partner provider groups, in collaboration with the Dental Association's SC Dental Access Days (DAD), provided a free healthcare event in Greenville, SC on August 6-7 at the Carolina First Center. SC Mission 2010 was the first of its kind in South Carolina offering free medical, dental and vision care for low income uninsured South Carolina residents. The primary purpose of the event was to treat patients' immediate healthcare needs while linking them to appropriate medical homes and follow up care.

Region 2 participated by providing 16 volunteers, who provided a variety of services, including staffing the health education resource center, providing interpreter services, and providing one-on-one counseling for nutrition, sexually transmitted diseases, and tobacco cessation. The event was a great success with more than 500 volunteers who provided free medical and vision care to more than 1,200 people.

### Women, Infants and Children (WIC) Nutrition Program Successes

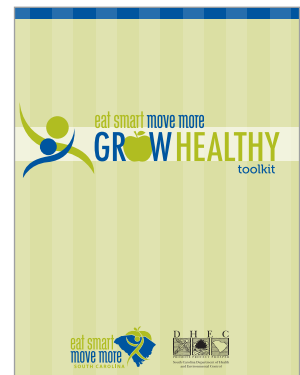
Through participation in the WIC Nutrition Program, families are offered health screenings, nutrition education, nutrient-rich foods, breastfeeding support and referrals to other health and social services. Not only does WIC help families, the local economy benefits from the program as well. The checks given to WIC clients each month to purchase nutritious foods contributed an estimated 1,629,310 per month to Region 2's local economy.

Region 2 consistently has the highest caseload in the state with a monthly average of 25,134 in FY 2011. Health Department staff served 19% of the states WIC participants and when compared to other counties, Greenville County had the highest caseload. Through a collaboration with the Hub City Farmers' Market, a successful pilot project was implemented. The Mobile Farmers' Market was parked outside of one of the clinic sites, allowing customers to not only receive their coupons, but redeem them immediately with fresh, locally grown produce. There are plans to expand this project to other clinics within the Region.



## Grow Healthy Toolkit

Region 2 staff worked closely with CDC and the SCDHEC Division of Nutrition, Physical Activity, and Obesity on a pilot project targeting the preschool population. The intervention was designed to impact policy and environmental supports in child care centers and to provide parents with skill-building and practical nutrition and physical activity applications for the family and home. The project will culminate in the development of a Grow Healthy Toolkit, which will contain best practice resources and activities for child care centers, and be used throughout the state.



## National Health and Nutrition Examination Survey (NHANES)

Region 2 staff assisted the National Center for Health Statistics in securing a location to participate in the National Health and Nutrition Examination Survey, a program that monitors the health and nutritional status of the U.S. population. Spartanburg was chosen as one of 15 counties nationwide to participate in the survey, which involved door-to-door surveys of 455 county residents from pre-selected household addresses, determined by U.S. Census data. A non-invasive health exam followed and took place in a mobile exam center stationed at the University of South Carolina Upstate. This was a unique opportunity which contributed to the collection of important public health data.



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